

Abstract

A fuel injection device (20) for an internal combustion engine includes a first valve element (36) with a pressure face (38) acting in the opening direction. An actuating device (50) acts in the closing direction. A second valve element (34) has a hydraulic control face (58), acting in the closing direction, which defines a hydraulic control chamber (60). A corresponding actuating device acts in the opening direction. A high-pressure connection (24) is also provided. It is proposed that the fuel injection device (20) include an additional valve device (66), which in a first terminal position connects the pressure chamber (40) only with the low-pressure connection (28) and the control chamber (60) only with the high-pressure connection (24). In a second terminal position, the additional valve device (66) connects the pressure chamber (40) only with the high-pressure connection (24) and essentially disconnects the control chamber (60) from the high-pressure connection (24). In an intermediate position, the pressure chamber (40) communicates only with the high-pressure connection (24), and the control chamber (60) communicates simultaneously with both the high-pressure connection (24) and the low-pressure connection (28). Fig. 2